

Hazardous Waste Fact Sheet: TCLP: Toxicity Characteristic Leaching Procedure and Characteristic Hazardous Wastes

Provided by EHSO: <http://www.EHSO.com>

The TCLP: Toxicity Characteristic Leaching Procedure

The TCLP, or Toxicity Characteristic Leaching (not Leachate) Procedure is designed to determine the mobility of both organic and inorganic analytes present in liquid, solid, and multiphasic wastes. This is usually used to determine if a waste may meet the definition of EP Toxicity, that is, carrying a hazardous waste code under RCRA (40 CFR Part 261) of D004 through D052. As it is the generator's responsibility to make this determination, but generators often contract outside labs to perform the TCLP test, these questions and answers may be helpful to generators. For this reason and sometimes in cleanup actions, businesses are often asked to perform an analysis on their waste using the TCLP. The Code of Federal Regulations (CFR) 40 CFR §261.24, outlines the 40 contaminants the TCLP analysis tests for (See Table 1—Maximum Concentration of Contaminants for Toxicity Characteristic). If a "Solid Waste" fails the test for one or more of these compounds, the waste is considered to be a characteristic hazardous waste – unless there is an exemption that applies. Bear in mind, too, that a characteristic waste may still also be a "listed" hazardous waste.

What does the TCLP Analysis Show?

The TCLP analysis simulates landfill conditions. Over time, water and other liquids percolate through landfills. The percolating liquid often reacts with the solid waste in the landfill, and may pose public and environmental health risks because of the contaminants it absorbs. The TCLP analysis determines which of the contaminants identified by the United States Environmental Protection Agency (EPA) are present in the leachate and their concentrations.

Who Performs the TCLP?

There are many businesses, in almost every state, who can perform these analysis. Look in the yellow pages under "Laboratories—Analytical". Many laboratories will offer courier services for a nominal fee, and provide sampling containers and a chain of custody form. Businesses in remote areas should contact the nearest lab to discuss sampling protocol and sample preparation for transportation. Improper sample handling can result in unreliable test results and wasted money!

What does it cost?

The cost of the TCLP depends on the laboratory and location; but typically, a full-TCLP analysis may cost as much as \$3,000.

When is a Waste Hazardous?

A waste is considered hazardous when it exhibits one or more of the following characteristics:

- **Ignitable** (Flashpoint <140 °F)
- **Corrosive** (aqueous pH < 2 or > 12.5)
- **Reactive** (normally unstable, undergoes violent changes without detonating, water reactive)
- **Toxic** (exceeding the regulatory limits for contaminants under the TCLP or "7-11 test" analysis)

OR it is "Listed" in the CFR (wastes which are pre-defined and categorized)

For the purposes of this fact sheet, a waste is considered hazardous due to toxicity if it exhibits results exceeding the regulatory limits outlined in Table 1 above. There are many exclusions and exemptions within the CFR. For this reason, call your state EPA (DEP, DER, etc.) or talk to your hazardous waste inspector if you have ANY questions!

Table 1—Maximum Concentration of Contaminants for Toxicity Characteristic

EPA HW #	Contaminant	Regulatory Level (mg/l)
D004	Arsenic (As)	5.0
D005	Barium (Ba)	100.0
D018	Benzene	0.5
D006	Cadmium (Cd)	1.0
D019	Carbon Tetrachloride	0.5
D020	Chlordane	0.03
D021	Chlorobenzene	100.0
D022	Chloroform	6.0
D007	Chromium (Cr)	5.0
D023	p-Cresol	200.0
D024	m-Cresol	200.0
D025	D-Cresol	200.0
D026	Cresol	200.0
D016	2,4-D	10.0
D027	1,4-Dichlorobenzene	7.5
D028	1,2-Dichloroethane	0.5
D029	1,1-Dichloroethylene	0.7
D030	2,4-Dinitrotoluene	0.13
D012	Endrin	0.02
D031	Heptachlor	0.008
D032	Hexachlorobenzene	0.13
D033	Hexachlorobutadiene	0.5
D034	Hexachloroethane	3.0
D008	Lead (Pb)	5.0
D013	Lindane	0.4
D009	Mercury (Hg)	0.2
D014	Methoxychlor	10.0
D035	Methyl Ethyl Ketone	200.0
D036	Nitrobenzene	2.0
D037	Pentachlorophenol	100.0
D038	Pyridine	5.0
D010	Selenium (Se)	1.0
D011	Silver (Ag)	5.0
D039	Tetrachloroethylene	0.7
D015	Toxaphene	0.5
D040	Trichloroethylene	0.5
D041	2,4,5-Trichlorophenol	400.0
D042	2,4,6-Trichlorophenol	2.0
D017	2,4,5-TP (Silvex)	1.0
D043	Vinyl Chloride	0.2

(Continued from page 1)

EXAMPLES

Auto Repair:

An auto repair shop uses "hi-flash" mineral spirits as parts washing solvent. The solvent does not contain any halogenated or listed solvents. When the solvent becomes dirty, it is distilled. The solvent extracted from the distillation is placed back into use, and the "still bottoms" or contaminants from the solvent extraction are the waste product. This waste product must be tested by an analytical laboratory before it is discarded. The laboratory performs the "7-11 test", and the results indicate the following:

Lead	0.8 mg/l
Cadmium	0.5 mg/l
Chromium	8.0 mg/l

Looking at the table on the front of this fact sheet, lead and cadmium exhibit concentrations below regulatory levels. Chromium exceeds regulatory levels. The still bottoms exhibit toxicity due to high chromium levels, and would be considered a hazardous waste D007.

Auto Body:

The exhaust filters in the spray booth have become saturated with overspray from paint application. Since the body shop uses many different types of paints and primers, its difficult to determine if the filters are hazardous without an analysis. A representative filter is removed and sampled. The remaining filters are placed into containers and marked "filters pending analysis". The laboratory performs the "7-11 test", and the results indicate the following:

Lead	9.1 mg/l
Chromium	0.4 mg/l
Barium	0.85 mg/l
Methyl ethyl ketone (MEK)	10 mg/l

Only lead exceeded the regulatory levels. The exhaust filters are deemed hazardous due to lead toxicity, and referred to as a D008 waste. The business owner remembered that he used a special primer a friend gave him. After looking at the Material Safety Data Sheet (MSDS), the business owner found out why the filters failed the test. The special primer contained high amounts of lead. Six months later, the filters need changing again. The business owner had kept detailed records of all the paints and primers sprayed, along with the total quantities since the last filter change out. Another analysis was performed, and the analytical report indicated all of the contaminants were well below the regulatory limits. The filters were not found to exhibit any characteristics of toxicity, and were allowed to be handled as regular municipal solid waste. Because the business owner maintained detailed records, further testing would not be required unless the types of paint and primers changed.

General Manufacturing:

The QRM company receives large steel components which they re-manufacture. The process requires them to dismantle the components, and surface prepare the outer housings for re-finishing. The metal components are placed into a sand blasting cabinet, and cleaned with special high pressure media. After months of use, the blasting media became ineffective, and needed to be replaced. The old blasting material was placed into a metal drum, and labeled "used blasting media pending analysis". A representative sample was taken to the laboratory for the "7-11 test" analysis. The results are:

Arsenic	0.5 mg/l
Barium	10 mg/l
Cadmium	2.0 mg/l
Chromium	15.0 mg/l
Lead	25 mg/l

This analysis reported Cadmium, Chromium and Lead in excess of regulatory limits. The blaster media waste would be classified as toxic due to high concentrations of Cadmium D006, Chromium D007 and Lead D008. This waste would be labeled as a D006, D007, D008 hazardous waste.

For more information on this and many other environmental, health and safety subjects, such as where to find a list of labs, go online to <http://www.ehso.com>. Our full alphabetized table of contents is found at <http://www.ehso.com/contents.php>.

Solvents:

Solvents, spent solvents, solvent mixtures, or solvent still bottoms are often hazardous. The following are some commonly used hazardous solvents (also see Ignitable wastes for other hazardous solvents, and 40 CFR 261.31 for most listed hazardous waste solvents):

Benzene	F005	Toluene	F005
Carbon Disulfide	F005	Trichloroethylene	F001, F002
Carbon Tetrachloride	F001	Trichlorofluoromethane	F002
Chlorobenzene	F002	Trichlorotrifluoroethane	F002
Cresols	F004	(Vulcylene)	
Cresylic Acid	F004	White Spirits	D001
O-Dichlorobenzene	F002		
Ethanol	D001		
2-Ethoxyethanol	F005		
Ethylene Dichloride	D001		
Isobutanol	F005		
Isopropanol	D001		
Kerosene	D001		
Methyl Ethyl Ketone	F005		
Methylene Chloride	F001, F002		
Naphtha	D001		
Nitrobenzene	F004		
2-Nitrobenzene	F004		
Petroleum Solvents (Flashpoint less than 140°F)	D001		
Pyridine	F005		
1,1,1-Trichloroethane	F001, F002		
1,1,2-Trichloroethane	F002		
Tetrachloroethylene (Perchloroethylene)	F001, F002		

Acids:

Acids, bases, or mixtures having a pH less than or equal to 2 or greater than or equal to 12.5 are considered corrosive (for a complete description of corrosive wastes, see 40 CFR 261.22). All corrosive materials and solutions have the waste code D002. The following are some of the more commonly used corrosives:

Acetic Acid
Ammonium Hydroxide Oleum
Chromic Acid
Hydrobromic Acid
Hydrochloric Acid
Hydrofluoric Acid
Nitric Acid
Perchloric Acid
Phosphoric Acid
Potassium Hydroxide
Sodium Hydroxide
Sulfuric Acid

Drycleaning

Filtration Residues:

Collected powder residue (perchloroethylene plants only), still residues, and spent cartridge filters containing perchloroethylene or vulcylene are hazardous and have the waste code F002. Still residues containing petroleum solvents with a flashpoint less than 140°F are considered hazardous and have the waste code D001.

Heavy Metals/Inorganics:

Heavy metals and other inorganic waste materials are considered hazardous if the extract from a representative sample of the waste has any of the specific constituents concentrations as shown in 40 CFR 262.24, Table 1. Materials may include dusts, solutions, wastewater treatment sludges, paint wastes, and waste inks. The following are common heavy metals/inorganics:

Arsenic	D004	Lead	D008
Barium	D005	Mercury	D009
Cadmium	D006	Selenium	D010
Chromium	D007	Silver	D011

Ink Sludges Containing Chromium and Lead:

This category includes solvent washes and sludges, caustic washes and sludges, and water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead. All ink sludges have the waste code K086.

Ignitable Wastes:

Ignitable wastes are any liquids that have a flashpoint less than 140°F; any non-liquids that are capable of causing a fire through friction, absorption of moisture, or spontaneous chemical change that creates a hazard when ignited; or any ignitable compressed gas as described in 49 CFR 173.300 (for a complete description of ignitable wastes, see 40 CFR 261.21). Examples are spent solvents, solvent still bottoms, epoxy resins and adhesives, and waste inks containing flammable solvents. Unless otherwise specified, all ignitable wastes have the waste code D001.

Acetone	F003	Chlorobenzene	F002
Benzene	F005	Cyclohexanone	F003
n-Butyl Alcohol	F003	Ethyl Acetate	F003
Ethyl Ether	F003	Ethyl Ether	F003
Ethylen Dichloride	D001	Methanol	F003
Methyl Isobutyl Ketone	F003	Methyl Isobutyl Ketone	F003
Petroleum Distillates	D001	Petroleum Distillates	D001
Xylene	F003	Xylene	F003

Lead-Acid Batteries:

Used lead-acid batteries should be reported on the notification form only if they are not recycled. Used lead-acid batteries that are recycled do not need to be counted in determining the quantity of waste that you generate per month. Special requirements do apply if you recycle your batteries on your own premises (see 40 CFR Part 266).

Lead Dross	D008
Spent Acids	D002
Lead-Acid Batteries	D008

Pesticides:

The pesticides listed below are hazardous. Wastes marked with an asterisk (*) have been designated acutely hazardous. For a more complete listing, see 40 CFR 261.32 for specific listed pesticides, and other wastes, wastewater sludges, and byproducts from pesticide formulators.

*Aldicarb	P070
Amitrole	U011
Endrin	D012
2,4,D	D016
*1,2-Dichloropropene	U084
*Heptachlor	P059
Lindane	U129, D013
Methoxychlor	D014
*Methyl Parathion	P071
Parathion	P089
*Phorate	P094
Toxaphene	D015
Silvex	D017

Reactives:

Reactives include materials or mixtures that are unstable, react violently with or form explosive mixtures with water, generate toxic gases or vapors when mixed with water (or when exposed to pH conditions between 2 and 12.5 in the case of cyanide or sulfide bearing wastes), or are capable of detonation or explosive reaction when heated or subject to shock (for a complete description of reactive wastes, see 40 CFR 261.23). Unless otherwise specified, all reactive wastes have the waste code D003. The following materials are commonly considered to be reactive:

Acetyl Chloride	Cyanides	Organic Peroxides	Permanganates
Chromic Acid	Hypochlorites	Perchlorates	Sulfides

Spent Plating and Cyanide Wastes:

Spent plating wastes contain cleaning solutions and plating solutions with caustics, solvents, heavy metals, and cyanides. Cyanide wastes may also be generated from heat treatment operations, pigment production, and manufacturing of anticaking agents. Plating wastes generally have the waste codes F006-F009. Cyanide, heat treating wastes generally have the waste codes P010-P012 (see 40 CFR 261.31 for a more complete description of plating wastes).

Wood Preserving Agents:

Wastewaters, process residuals, and spent formulations from wood preserving processes that contain chlorophenolic or creosote formulations, or certain inorganic preservatives are considered hazardous and have the waste codes P032, P034, and P035, respectively. Wood preserving solutions that are recycled are not subject to hazardous waste regulations. Bottom sediment sludges from the treatment of wastewater processes that use creosote and pentachlorophenol have the waste code K001. In addition, unless otherwise indicated, specific wood preserving compounds are:

Chromated Copper Arsenate	D004	Pentachlorophenol	F027
Creosote	U051		



PRECISION

Industrial Maintenance, Inc.

1710 Erie Blvd., Schenectady, NY 12308

Telephone: (518) 346-5800 Fax: (518) 346-6077

The
Triple
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Guarantee

1. Prompt Response to Your Needs.
2. Professional Project Management.
3. Needs Analysis
4. Customer Input and Integration.
5. Project Planning
6. Accurate Cost Analysis
7. Precision Project Performance
8. Customer Follow Up
9. Triple Precision Guarantee (TPG)

Date:

To:

Fax:

Re:

Sender:

12/01/05

Andy Kawczak
658-3264
Info for EPA
Lynne Farrell

You should receive 9 page(s), including this cover sheet. If you do not receive all the pages, please call (518) 346-5800.

Message:

Andy -
This should be the
info you need for
the EPA. Let me know
if you need anything else.

Thanks
- Lynne



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364

WASTE TRANSPORTER PERMIT NO. 4A-285

Forsuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO

PRECISION INDUSTRIAL MAINTENANCE, INC.
1710 ERIE BOULEVARD
SCHENECTADY, NY 12308

CONTACT NAME: WILLIAM G. VERHAYDEN
COUNTY: SCHENECTADY
TELEPHONE NO: (518)346-5800

PERMIT TYPE:

- NEW
 RENEWAL
 MODIFICATION

EFFECTIVE DATE: 06/01/2005
EXPIRATION DATE: 05/31/2006
US EPA ID NUMBER: NY0001031814

AUTHORIZED WASTE TYPES:

The Permittee is Authorized to Transport the Following Waste Type(s):

Non-Hazardous Industrial/Commercial

Septage only (residential)

Hazardous Industrial/Commercial

Asbestos

Residential Raw Sewage including Portable Waste Oil

Petroleum Contaminated Soil

Toilet Waste

Grease Trap Waste

Non-Residential Raw Sewage or Sewage-
Contaminated Wastes

Sludge from Sewage or Water Supply
Treatment Plant

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul septic only)

18 PERMITTED VEHICLE(S)

NY 18386JC	NY E 6933PA
NY 18860PA	NY E 5500PA
NY 19856JJ	NY E 5592AJ
NY 20204JM	NY AK24885
NY 21125JN	NY EJ866S
NY 24816PA	NY X U6070
NY 32731JH	VT ATY200
NY 36095PA	VT EDN595
NY 36096PA	End of List
NY 56423JN	

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE:

Date: 3/17/05

PAGE 1 OF 1

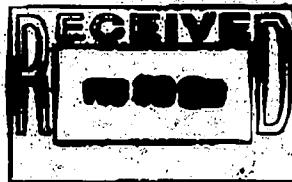


Pennsylvania Department of Environmental Protection

909 Elmerton Avenue
Harrisburg, PA 17110-8200
February 27, 2003

Southcentral Regional Office

Mr. Terry Wittenberg
Regulatory Compliance Officer
Cycle Chem, Inc.
550 Industrial Drive
Lewisberry, PA 17339



717-705-4706
FAX - 717-705-4930

Re: Administrative Completeness Review
RCRA Part B Permit Application Renewal
Hazardous Waste Treatment & Storage Facility
ID No. PAD067098822
Fairview Township, York County

Dear Mr. Wittenberg:

This is to inform you that the Department has reviewed the above-referenced application for permit modification in order to determine whether it contains the information, maps, fees, and other documents necessary to be deemed administratively complete. Please be advised that your application is determined to be administratively complete. As per your letter dated February 13, 2003, it is the Department's understanding that the topographic map and the Form B (Professional Certification) will be submitted during March 2003. The Department is requesting that the map and Form B be submitted to our office no later than March 21, 2003.

Please be advised that the current hazardous waste permit, which was issued to your facility on February 16, 1993, was initially scheduled to expire on February 15, 2003. Section H, Paragraph 3 of the current permit states that "This permit and all conditions therein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application... Because Cycle Chem, Inc. has submitted a complete application for a new permit before the expiration date of the current permit, the current permit will remain in effect until the Department decides to issue a new permit or deny the new permit application.

During the technical review, Mr. Tom Hanlon will be the lead reviewer for your application. The lead reviewer will evaluate the adequacy of the applications and its components to determine if sufficient information exists to render a decision on the technical merits of your application. Ms. Linda Houseal, Facilities Supervisor, will coordinate comments from other technical staff as may be necessary for a comprehensive evaluation of the application.

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FACILITY NAME AND ADDRESS

General Chemical Corporation
133 Leland Street
Framingham, Massachusetts 01701

278/58
MA Hazardous Waste Facility
License Number

FACILITY MAILING ADDRESS

General Chemical Corporation
R.D. Box 604
133 Leland Street
Framingham, Massachusetts 01701

278/58
MA Facility License Number

Telephone Number: (508) 622-5000

GENERAL FACILITY INFORMATION

General Chemical Corporation (GCG) is the existing commercial hazardous waste manager and treatment facility located in Framingham, Massachusetts. General Chemical had operated on one site until 1981, when GCG acquired the businesses of Hespekt and continuing nitrophenol solvents.

General Chemical still recycled spent solvents on the site since the 1981 retying operation including the receipt and storage of spent solvents in containers up to the maximum of three cubic yards by distribution and then combustion and/or off loading which are sent off-site for treatment or disposal.

GCG also a storage facility for a number of other hazardous wastes regulated under the Resource Conservation and Recovery Act, the Toxic Substances Control Act and by the State of Massachusetts.

The facility is located in the town of Framingham, Middlesex County, Massachusetts, approximately 20 miles west of Boston. The site is located in the northern portion of Framingham directly off of Route 9, approximately 1/2 mile south of Route 16, Marlboro Street.



State of New Jersey

Christopher D. Weller
Governor

Department of Environmental Protection
Division of Solid & Hazardous Waste
P.O. Box 421
Trenton, New Jersey 06025-0421
Phone 609-292-4880
Fax 609-292-0816

Robert C. Shinn, Jr.
Commissioner

Hazardous Waste Facility Permit

Under the provisions of N.J.S.A. 13:1E-1 et seq., known as the Solid Waste Management Act, this permit is hereby issued to:

Cycle Chemicals,
217 South First Street
Elizabeth, NJ 07205

For the Purpose of Operating at Hazardous Waste Storage, Treatment, and Terminal Facility
On Block No.: 2
Lot No.: 863, part of 44
In the Municipality of Elizabeth
County: Union
Under Facility Permit No.: 202482HSP07
FPA ID #: NJD 003 200 045

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This permit shall not prejudice any claim the State may have to riparian lands, nor does it allow the permitted to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFFRA) zone, nor are subject to the Wetlands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection or the U.S. Environmental Protection Agency.

October 19, 1995
Issuing Date

John M. Costello, P.E., F.P.S.
Acting Assistant Director
Division of Solid & Hazardous Waste

December 3, 1997
Renewal Date

January 1, 1998
Effective Date

November 15, 2006
Expiration Date

Any amendment, modification or change
in this permit must be submitted to the
State Environmental Protection Agency
for review.

APPENDIX A: ACCEPTABLE WASTE CODES AT CYCLE CHEM PA

		D001	F032	K088	P041	U012	U076
D002	F034	K090	P042	U014	U077	U141	U202
D003	F035	K091	P043	U015	U078	U143	U203
D004	F037	K093	P046	U105	U079	U144	U204
D005	F038	K094	P047	U017	U080	U145	U205
		D006	F039	K095	P048	U018	U081
				U206			
D007	K001	K096	P049	U019	U082	U147	U207
D008	K002	K100	P054	U020	U083	U148	U208
D009	K003	K101	P057	U021	U085	U149	U209
D010	K004	K102	P058	U022	U086	U150	U210
D011	K005	K103	P064	U023	U087	U151	U211
D018	K006	K104	P067	U024	U088	U152	U213
D019	K007	K105	P068	U025	U089	U153	U214
D021	K008	K106	P069	U026	U090	U154	U215
D022	K009	K107	P072	U027	U091	U155	U216
D023	K010	K108	P074	U028	U092	U156	U217
D024	K011	K109	P075	U029	U093	U157	U218
D025	K013	K110	P077	U030	U094	U158	U219
D026	K014	K111	P082	U031	U095	U159	U220
D027	K015	K112	P084	U032	U096	U160	U221
D028	K016	K113	P087	U034	U097	U161	U222
D029	K017	K114	P092	U035	U098	U162	U223
D030	K018	K115	P093	U037	U099	U163	U225
D032	K019	K116	P097	U039	U101	U164	U226
D033	K020	K117	P098	U041	U102	U165	U227
D034	K021	K118	P099	U042	U103	U166	U228
D035	K022	K126	P101	U043	U105	U167	U229
D036	K023	K127	P102	U044	U106	U169	U236
D037	K024	P003	P103	U045	U107	U169	U237
D038	K025	P005	P104	U046	U108	U170	U238
D039	K026	P006	P105	U047	U109	U171	U239
D040	K027	P010	P106	U048	U110	U172	U243
D041	K028	P011	P108	U049	U111	U173	U244
D043	K029	P012	P109	U050	U112	U174	U246
F001	K030	P013	P110	U051	U113	U176	U249
F002	K048	P014	P113	U052	U114	U177	U228
F003	K049	P015	P114	U053	U116	U178	U553
F004	K050	P016	P115	U055	U117	U179	U359
F005	K051	P017	P116	U056	U118	U180	PA01
F006	K052	P018	P118	U057	U119	U181	
F007	K060	P021	P119	U058	U120	U182	
F008	K061	P022	P120	U059	U121	U183	
F009	K062	P023	P121	U062	U122	U184	
F010	K064	P024	P122	U063	U123	U186	
F011	K065	P026	U001	U064	U125	U187	
F012	K066	P027	U002	U067	U126	U188	
F019	K059	P028	U003	U068	U127	U189	
F021	K071	P029	U004	U069	U128	U190	
F022	K073	P030	U005	U070	U130	U191	
F023	K083	P033	U006	U071	U131	U193	
F024	K084	P034	U007	U072	U133	U194	
F025	K085	P036	U008	U073	U134	U196	
F026	K086	P038	U009	U074	U137	U197	
F028	K087	P040	U010	U075	U138	U200	

COUNTY Westchester

Charles Point Resource Recovery Facility 60E01
 OWNER TYPE: County
 REGULATORY STATUS: Permit
 OWNER: Westchester County Industrial
 ADDRESS: 270 North Avenue
 (MAILING) New Rochelle NY 10801
 PHONE: 9142852535
 WASTE TYPE: Commercial;Residential

360 PERMIT NUMBER: 355120003100004
 PERMIT ISSUED: 08/01/96
 PERMIT EXPIRES: 07/31/06
 CONTACT: Catherine Tubrid
 ADDRESS: One Charles Point Avenue
 Peekskill NY 10566
 PHONE: 9147399304
 UTMEAST: 588710 UTMNORTH: 4570114

NYS DEC REGION 5

COUNTY Washington

Wheelabrator Hudson Falls S8E01
 OWNER TYPE: Private
 REGULATORY STATUS: Permit
 OWNER: Wheelabrator Hudson Falls LLC
 ADDRESS: 61 River Street
 (MAILING) Hudson Falls NY 12829
 PHONE: 5187472390
 WASTE TYPE: Commercial;Residential;Waste Tires

360 PERMIT NUMBER: 553440000100019
 PERMIT ISSUED: 10/02/03
 PERMIT EXPIRES: 05/30/10
 CONTACT: Maurice Holcomb
 ADDRESS: 61 River Street
 Hudson Falls NY 12829
 PHONE: 5187472390
 UTMEAST: 614215 UTMNORTH: 4795697

NYS DEC REGION 7

COUNTY Onondaga

Onondaga County Res Recov 34E01
 OWNER TYPE: Private
 REGULATORY STATUS: Permit
 OWNER: Covanta Onondaga, I.P.
 ADDRESS: 5801 Rock Cut Road
 (MAILING) Jamesville NY 13078
 PHONE: 3154984111
 WASTE TYPE: Residential;Commercial;C&D Debris

360 PERMIT NUMBER: 731420002800009
 PERMIT ISSUED: 11/16/01
 PERMIT EXPIRES: 11/16/11
 CONTACT: Larry Evans
 ADDRESS: 5801 Rock Cut Road
 Jamesville NY 13078
 PHONE: 3154984111
 UTMEAST: 409127 UTMNORTH: 4761975

COUNTY Oswego

Oswego County Energy Recovery Facility 38E01
 OWNER TYPE: County
 REGULATORY STATUS: Permit
 OWNER: Oswego County Dept of Public
 ADDRESS: 46 East Bridge Street
 (MAILING) Oswego NY 13126
 PHONE: 3153498331
 WASTE TYPE: Commercial;Residential

360 PERMIT NUMBER: 735580001300002
 PERMIT ISSUED: 06/01/94
 PERMIT EXPIRES: 06/01/04
 CONTACT: Frank Visser
 ADDRESS: 2801 State Rte 481
 Fulton NY 13069
 PHONE: 3155919280
 UTMEAST: 385167 UTMNORTH: 4799499

NYS DEC REGION 9

COUNTY Niagara

American Ref-Fuel Niagara 32E01
 OWNER TYPE: Private
 REGULATORY STATUS: Permit
 OWNER: American Ref-Fuel Co. of Niagara
 ADDRESS: 15990 N. Braker's Landing #2
 (MAILING) Houston TX 77079
 PHONE: 2816494800
 WASTE TYPE: Commercial;Residential;C&D Debris;Indust

360 PERMIT NUMBER: 929110011300023
 PERMIT ISSUED: 04/01/05
 PERMIT EXPIRES: 03/31/15
 CONTACT: William Gicason
 ADDRESS: 100 Energy Boulevard @ 56th S
 Niagara Falls NY 14304
 PHONE: 7162788509
 UTMEAST: 173853 UTMNORTH: 4777967



**COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617.292.5500**

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

ELLEN ROY HERZFELDER
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

February 8, 2005

Mr. Phillip Ditter
EH & S Manager
Onyx Special Services, Inc.
230 Canton Street
Stoughton, MA 02072

RE: MA DEP Class C Hazardous Waste Recycling Permit # 3RC-2000
Issued to Onyx Special Services, Inc.
EPA ID# MA500004713

Dear Mr. Ditter:

This letter is in regards to the Class C Hazardous Waste Recycling Permit, #3RC-2000, issued by the Massachusetts Department of Environmental Protection ("DEP") to Onyx Special Services, Inc. for its recycling operation located at 230 Canton Street in Stoughton, Massachusetts. This Class C permit is scheduled to expire on April 10, 2005.

The DEP is in receipt of an application for a new Class C Hazardous Waste Recycling permit from Onyx Environmental Services, LLC for use at the above referenced recycling facility. The Class C Hazardous Waste Recycling Permit application is currently pending.

Pursuant to the Massachusetts Hazardous Waste Regulations at 310 CMR 30.821(3), and M.G.L. Chapter 21C, DEP is hereby extending the Onyx Special Services, Inc. Class C Hazardous Waste Recycling Permit referenced above until May 20, 2005. DEP has determined that such extension will prevent injustice to the licensee and will not harm public health or safety, or the environment. The permit extension shall apply only to Class C hazardous waste recycling activities currently authorized by the existing permit.

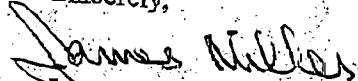
Should you have any questions regarding this matter, please contact Al Nardone in DEP's

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.
DEP on the World Wide Web: <http://www.mass.gov/dep>

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Business Compliance Division at (617) 292-5580.

Sincerely,



James Miller
Chief, Waste Branch
Business Compliance Division
Bureau of Waste Prevention

cc: Greig Siedor, Esq.
Onyx Environmental Services LLC
700 East Butterfield Road, Suite 201
Lombard, IL 60148

TA CONIC
 CANADIAN INDUSTRIAL PRODUCTS DIVISION
 #3 4161 Sladeview Crescent
 Mississauga ON LSL 5R3 Canada
 Tel: 518-658-3202 Fax: 518-658-3204
www.4taconic.com

Sales Order 000413-00

Customer CD0004

Dena

To :

PLEXPACK / DAMARK PACKAGING INC
 2045 MIDLAND AVENUE
 TORONTO ONTARIO M1P 3E2
 CANADA

Ship to :

PLEXPACK / DAMARK PACKAGING INC
 2045 MIDLAND AVENUE
 TORONTO ONTARIO M1P 3E2
 CANADA

Phone 416-291-8085

Fax 416-298-4328

THC

Customer PO Number	Order Date	Terms	FOB	Ship Via	Salesperson
10682	08/12/2005	NET 30'	COLLECT	UPS STANDARD INTL	600
Item	Facility / Part / Rev / Description / Details		Quantity	Unit Price	Extended Price
001	IPD-CAN 7039-PS - 1 IN X 36 YARDS LUDOX ETCHED ONE SIDE USD AMOUNT \$8.65 / ROLL HS TARIFF #7019.90.1000	U/M EA	25.00000	10.03000	250.75
	Ship Date : 13/12/2005				
002	IPD-CAN 7A952 - 1 IN X 36 YARDS USD AMOUNT \$7.78 / ROLL HS TARIFF #7019.90.1000		25.00000	9.03000	225.75
	Ship Date : 13/12/2005				
	SHIPPING NOTES: UPS COLLECT #502263			Tax Amount	15.80
	SPECIAL NOTES: NO HANDLING CHARGE			Total Items Price	476.50 CAN \$
	We sincerely appreciate your order for the items described above. This order will be processed in accordance with, and subject to the terms and conditions contained in the credit application on file. If this acknowledgement is not correct in any way, please notify Customer Service immediately so revisions can be made before your order is processed.			GST/HST	33.35 CAN \$
	Tell us how we are doing. Take a brief customer survey at www.4taconic.com/survey.htm and make your opinion count!				

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EPA Hazardous Waste Codes

Only those codes applicable to the University of Maryland are listed

Hazardous waste is any solid waste that either exhibits any of the characteristics of hazardous waste or is a listed EPA waste.

In addition, EPA Hazardous Waste Codes are also classified as acute and non-acute. P-listed codes and certain dioxin codes (F020-F023 and F026-F028) are considered to be acute, whereas the remaining codes are non-acute.

Criteria and Characteristics of Hazardous Waste

Ignitability (D001)	A solid waste that meets <i>any</i> of the following criteria: <ol style="list-style-type: none">1. A liquid that has a flash point of less than 140° F as determined by a Pensky-Martens closed cup tester using ASTM method D-93-70 or D-93-80;2. A solid, under standard temperature and pressure, that can cause fire through friction, absorption of moisture, or spontaneous chemical changes and burn vigorously and persistently that it creates a hazard;3. An ignitable compressed gas as defined by the Department of Transportation in 49 CFR 173.300; or,4. An oxidizer as defined by the Department of Transportation in 49 CFR 173.151.
Corrosivity (D002)	A solid waste that meets <i>any</i> of the following criteria: <ol style="list-style-type: none">1. An aqueous liquid that has a pH of 2 or less or 12.5 or more; or,2. A liquid that corrodes steel at a rate of 6.35 mm or more per year as determined by the National Association of Corrosion Engineers
Reactivity (D003)	A solid waste that meets <i>any</i> of the following criteria: <ol style="list-style-type: none">1. Instability and readiness to undergo violent change;2. Violent reactions when mixed with water;3. Formation of potentially explosive mixtures when mixed with water;4. Generation of toxic fumes in quantities sufficient to present a danger to human health or the environment when mixed with water;5. Cyanide or sulfide waste which generate toxic fumes when exposed to acidic conditions;6. Ease of detonation or explosive reaction when exposed to pressure or heat;7. Ease of detonation or explosive decomposition or reaction at standard temperature and pressure; or,

	8. Defined as a forbidden explosive by the Department of Transportation.
Toxicity (D004-D043)	A solid waste whose extract under the test procedure specified under 40CFR Part 261.24 contains one or more constituents at concentrations greater than those specified in the Maximum Concentration of Contaminants for the Toxicity Characteristic Table:

Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA Hazardous Waste Number	Contaminant	Regulatory Level (mg/L)	EPA Hazardous Waste Number	Contaminant	Regulatory Level (mg/L)
D004	Arsenic	5.0	D032	Hexachlorobenzene	0.13
D005	Barium	100.0	D033	Hexachlorobutadiene	0.5
D018	Benzene	0.5	D034	Hexachloroethane	3.0
D006	Cadmium	1.0	D008	Lead	5.0
D019	Carbon tetrachloride	0.5	D013	Lindane	0.4
D020	Chlordane	0.03	D009	Mercury	0.2
D021	Chlorobenzene	100.0	D014	Methoxychlor	10.0
D022	Chloroform	6.0	D035	Methyl ethyl ketone	200.0
D007	Chromium	5.0	D036	Nitrobenzene	2.0
D023	Cresol, o-	200.0	D037	Pentachlorophenol	100.0
D024	Cresol, m-	200.0	D038	Pyridine	5.0
D025	Cresol, p-	200.0	D010	Selenium	1.0
D026	Cresol	200.0	D011	Silver	5.0
D016	2,4-D	10.0	D039	Tetrachloroethylene	0.7
D027	Dichlorobenzene, 1,4-	7.5	D015	Toxaphene	0.5
D028	Dichloroethane, 1,2-	0.5	D040	Trichloroethylene	0.5
D029	Dichloroethylene, 1,1-	0.7	D041	2,4,5-Trichlorophenol	400.0
D030	Dinitrotoluene, 2,4-	0.13	D042	2,4,6-Trichlorophenol	2.0
D012	Endrin	0.02	D017	2,4,5-TP (Silvex)	1.0
D031	Heptachlor (and its epoxide)	0.008	D043	Vinyl chloride	0.2

EPA Hazardous Waste Number	Hazardous Waste from non-specific sources
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
	Wastewater treatment sludge from electroplating operations except from the

	following processes:
F006	(1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and align=center etching and milling of aluminum.
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.
F012	Quenching waste water treatment sludge from metal heat treating operations where cyanides are used in the process.
F019	Wastewater treatment sludge from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol.).
F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol.).
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one

	to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludge, spent catalysts, and wastes listed in § 261.31 or § 261.32).
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.).
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.
F032	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with § 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F034	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F035	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
	Petroleum refinery primary oil/water/solids separation sludge--Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from

F037	petroleum refineries. Such sludge include, but are not limited to, those generated in: oil/ water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludge generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludge generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludge generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing.
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge--Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludge and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludge generated in DAF units. sludge generated in stormwater units that do not receive dry weather flow, sludge generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludge and floats generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludge and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and f037, K048, and K051 wastes are not included in this listing.
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)

Acute Hazardous Waste

EPA Hazardous Waste Number	Substance
P023	Acetaldehyde, chloro-
P002	Acetamide, N-(aminothioxomethyl)-
P057	Acetamide, 2-fluoro-
P058	Acetic acid, fluoro-, sodium salt
P002	Acetyl-2-thiourea, 1-
P003	Acrolein
P070	Aldicarb
P203	Aldicarb sulfone
P004	Aldrin

P005	Allyl alcohol
P006	Aluminum phosphide
P007	Aminomethyl)-3-isoxazolol, 5-(
P008	Aminopyridine, 4-
P009	Ammonium picrate
P119	Ammonium vanadate
P099	Argentate(1-), bis(cyano-C)-, potassium
P010	Arsenic acid H3AsO4
P012	Arsenic oxide As2O3
P011	Arsenic oxide As2O5
P011	Arsenic pentoxide
P012	Arsenic trioxide
P038	Arsine, diethyl-
P036	Arsonous dichloride, phenyl-
P054	Aziridine
P067	Aziridine, 2-methyl-
P013	Barium cyanide
P024	Benzenamine, 4-chloro-
P077	Benzenamine, 4-nitro-
P028	Benzene, (chloromethyl)-
P042	Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, 1,2-
P046	Benzeneethanamine, alpha,alpha-dimethyl-
P014	Benzenethiol
P127	Benzofuranol, 2,3-dihydro-2,2-dimethyl-, 2-methylcarbamate
P188	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester
P001	Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-2-phenylbutyl)-2H-1-, & salts, when present at concentrations greater than 0.3%
P028	Benzyl chloride
P015	Beryllium powder
P017	Bromoacetone
P018	Brucine
P045	Butanone, 3,3-dimethyl-1-(methylthio)-, O-4-[methylamino]carbonyl oxime
P021	Calcium cyanide
P021	Calcium cyanide Ca(CN)
P189	Carbamic acid, [(dibutylamino)- thio]methyl-, 2,3,-dihydro-2,2-dimethyl- 7-benzofuranyl ester
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H- pyrazol-3-yl ester

P192	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester
P190	Carbamic acid, methyl-, 3-methylphenyl ester
P127	Carbofuran.
P022	Carbon disulfide
P095	Carbonic dichloride
P189	Carbosulfan
P023	Chloroacetaldehyde
P024	p-Chloroaniline
P026	Chlorophenyl)thiourea, 1-(o-
P027	Chloropropionitrile, 3-
P029	Copper cyanide
P029	Copper cyanide Cu(CN)
P202	Cumanyl methylcarbamate, m-
P030	Cyanides (soluble cyanide salts), not otherwise specified
P031	Cyanogen
P033	Cyanogen chloride
P033	Cyanogen chloride (CN)Cl
P034	Cyclohexyl-4,6-dinitrophenol, 2-
P016	Dichloromethyl ether
P036	Dichlorophenylarsine
P037	Dieldrin
P038	Diethylarsine
P041	Diethyl-p-nitrophenyl phosphate
P040	Diethyl O-pyrazinyl phosphorothioate, O,O-
P043	Diisopropylfluorophosphate (DFP)
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-
P037	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-
P051	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-, & metabolites
P044	Dimethoate
P046	alpha,alpha-Dimethylphenethylamine
P191	Dimetilan
P047	4,6-Dinitro-o-cresol, & salts
P048	2,4-Dinitrophenol

P020	Dinoseb
P085	Diphosphoramide, octamethyl-
P111	Diphosphoric acid, tetraethyl ester
P039	Disulfoton
P049	Dithiobiuret
P185	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl] oxime
P050	Endosulfan
P088	Endothall
P051	Endrin
P051	Endrin, & metabolites
P042	Epinephrine
P031	Ethanedinitrile
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-0-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester
P066	Ethanimidothioic acid, N- [[(methylamino)carbonyl]oxy]-, methyl ester
P101	Ethyl cyanide
P054	Ethyleneimine
P097	Famphur
P056	Fluorine
P057	Fluoroacetamide
P058	Fluoroacetic acid, sodium salt
P198	Formetanate hydrochloride
P197	Formparanate
P065	Fulminic acid, mercury(2+) salt
P059	Heptachlor
P062	Hexaethyl tetraphosphate
P116	Hydrazinecarbothioamide
P068	Hydrazine, methyl-
P063	Hydrocyanic acid
P063	Hydrogen cyanide
P096	Hydrogen phosphide
P060	Isodrin
P192	Isolan
P202	Isopropylphenyl N-methylcarbamate
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-
P196	Manganese, bis(dimethylcarbamodithioato-S,S')-,
P196	Manganese dimethyldithiocarbamate

P092	Mercury, (acetato-O)phenyl-
P065	Mercury fulminate
P082	Methanamine, N-methyl-N-nitroso-
P064	Methane, isocyanato-
P016	Methane, oxybis[chloro-
P112	Methane, tetrinitro-
P118	Methanethiol, trichloro-
P198	Methanimidamide, N,N-dimethyl-N'-[3-[[methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[(methylamino)carbonyl]oxy]phenyl]-
P050	Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexa hydro-, 3-oxide
P059	Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P199	Methiocarb
P066	Methomyl
P068	Methyl hydrazine
P064	Methyl isocyanate
P069	Methylactonitrile
P071	Methyl parathion
P190	Metolcarb
P128	Mexacarbate
P072	alpha-Naphthylthiourea
P073	Nickel carbonyl
P073	Nickel carbonyl Ni(CO)4
P074	Nickel cyanide
P074	Nickel cynaide Ni(CN)2
P075	Nicotine, & salts
P076	Nitric oxide
P077	p-Nitroaniline
P078	Nitrogen dioxide
P076	Nitrogen oxide NO
P078	Nitrogen oxide NO2
P081	Nitroglycerine
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P085	Octamethylpyrophosphoramide
P087	Osmium oxide OsO4
P087	Osmium tetroxide

P088	Oxabicyclo[2.2.1]heptane-2, 3-dicarboxylic acid
P194	Oxamyl
P089	Parathion
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P048	Phenol, 2,4-dinitro-
P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P009	Phenol, 2,4,6-trinitro-, ammonium salt
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)
P199	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate
P202	Phenol, 3-(1-methylethyl)-, methyl carbamate
P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate
P092	Phenylmercury acetate
P093	Phenylthiourea
P094	Phorate
P095	Phosgene
P096	Phosphine
P041	Phosphoric acid, diethyl4-nitrophenyl ester
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P094	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester
P089	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P097	Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P204	Physostigmine
P188	Physostigmine salicylate
P110	Plumbane, tetraethyl-
P098	Potassium cyanide
P098	Potassium cyanide KCN
P099	Potassium silver cyanide
P201	Promecarb
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime
P101	Propanenitrile
P027	Propanenitrile, 3-chloro-
P069	Propanenitrile, 2-hydroxy-2-methyl-

P081	Propanetriol, trinitrate
P017	Propanone, 1-bromo-
P102	Propargyl alcohol
P003	Propenal
P005	Propen-1-ol
P067	Propylenimine
P102	Propyn-1-ol
P008	Pyridinamine
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts 5
P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS- cis)-
P114	Selenious acid, dithallium(1+) salt
P103	Selenourea
P104	Silver cyanide
P104	Silver cyanide Ag(CN)
P105	Sodium azide
P106	Sodium cyanide
P106	Sodium cyanide Na(CN)
P108	Strychnidin-10-one, & salts
P018	Strychnidin-10-one, 2,3-dimethoxy-
P108	Strychnine, & salts
P115	Sulfuric acid, dithallium(1+)salt
P109	Tetraethylthiopyrophosphate
P110	Tetraethyl lead
P111	Tetraethyl pyrophosphate
P112	Tetranitromethane
P062	Tetraphosphoric acid, hexaethyl ester
P113	Thallic oxide
P113	Thallium oxide Ti ₂ O ₃
P114	Thallium(I) selenite
P115	Thallium(I) sulfate
P109	Thiodiphosphoric acid, tetraethyl ester
P045	Thiofanox
P049	Thioimidodicarbonic diamide
P014	Thiophenol
P116	Thiosemicbazide
P026	Thiourea, (2-chlorophenyl)-1
P072	Thiourea, 1-naphthalenyl-

P093	Thiourea, phenyl-
P185	Tirpate
P123	Toxaphene
P118	Trichloromethanethiol
P119	Vanadic acid, ammonium salt
P120	Vanadium oxide V2O5
P120	Vanadium pentoxide
P084	Vinylamine, N-methyl-N-nitroso-
P001	Warfarin, & salts, when present at concentrations greater than 0.3%
P205	Zinc, bis(dimethylcarbamodithioato-S,S')-,
P121	Zinc cyanide
P121	Zinc cyanide Zn(CN)2
P122	Zinc phosphide Zn3P2, when present at concentrations greater than 10%
P205	Ziram

Toxic (Non-Acute)Hazardous Waste

EPA Hazardous Waste Number	Substance
U394	A2213
U001	Acetaldehyde
U034	Acetaldehyde, trichloro-
U187	Acetamide, N-(4-ethoxyphenyl)-
U005	Acetamide, N-9H-fluoren-2-yl-
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U112	Acetic acid ethyl ester
U144	Acetic acid, lead(2+) salt
U214	Acetic acid, thallium(1+) salt see F027Acetic acid, (2,4,5-trichlorophenoxy)-
U002	Acetone
U003	Acetonitrile
U004	Acetophenone
U005	Acetylaminofluorene
U006	Acetyl chloride
U007	Acrylamide
U008	Acrylic acid
U009	Acrylonitrile
U011	Amitrole

U012	Aniline
U136	Arsinic acid, dimethyl-
U014	Auramine
U015	Azaserine
U365	Azepine-1-carbothioic acid, hexahydro-, S-ethyl 1 ester
U010	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[(amin ocarbonyl)oxy]methyl]-1,1a,2,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-
U280	Barban
U278	Bendiocarb
U364	Bendiocarb phenol
U271	Benomyl
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U016	Benz[c]acridine
U017	Benzal chloride
U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U018	Benz[a]anthracene
U094	Benz[a]anthracene, 7,12-dimethyl-
U012	Benzenamine
U014	Benzenamine, 4,4'-carbonimidoyl bis[N,N-dimethyl-
U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U328	Benzenamine, 2-methyl-
U353	Benzenamine, 4-methyl-
U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U222	Benzenamine, 2-methyl-, hydrochloride
U181	Benzenamine, 2-methyl-5-nitro-
U019	Benzene
U038	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester
U030	Benzene, 1-bromo-4-phenoxy-
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
U037	Benzene, chloro-
U221	Benzenediamine, ar-methyl-
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester
U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U107	1,2-Benzenedicarboxylic acid, dioctyl ester

U070	Benzene, 1,2-dichloro-
U071	Benzene, 1,3-dichloro-
U072	Benzene, 1,4-dichloro-
U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-
U017	Benzene, (dichloromethyl)-
U223	Benzene, 1,3-diisocyanatomethyl-
U239	Benzene, dimethyl-
U20	1,3-Benzenediol
U127	Benzene, hexachloro-
U056	Benzene, hexahydro-
U220	Benzene, methyl-
U105	Benzene, 1-methyl-2,4-dinitro-
U106	Benzene, 2-methyl-1,3-dinitro-
U055	Benzene, (1-méthylethyl)-
U169	Benzene, nitro-
U183	Benzene, pentachloro-
U185	Benzene, pentachloronitro-
U020	Benzenesulfonic acid chloride
U020	Benzenesulfonyl chloride
U207	Benzene, 1,2,4,5-tetrachloro-
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-
U023	Benzene, (trichloromethyl)-
U234	Benzene, 1,3,5-trinitro-
U021	Benzidine
U202	Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate
U364	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,
U203	1,3-Benzodioxole, 5-(2-propenyl)-
U141	1,3-Benzodioxole, 5-(1-propenyl)-
U367	Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U090	1,3-Benzodioxole, 5-propyl-
U064	Benzo[rst]pentaphene
U248	Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations of 0.3% or less
U022	Benzo[a]pyrene
U197	p-Benzoquinone
U023	Benzotrichloride

U085	2,2'-Bioxirane
U021	[1,1'-Biphenyl]-4,4'-diamine
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-
U401	Bis(dimethylthiocarbamoyl) sulfide
U400	Bis(pentamethylene)thiuram tetrasulfide
U225	Bromoform
U030	4-Bromophenylphenyl ether
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U172	1-Butanamine, N-butyl-N-nitroso-
U031	1-Butanol
U159	2-Butanone
U160	2-Butanone, peroxide
U053	2-Butenal
U074	2-Butene, 1,4-dichloro-
U143	Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7-(2S*,3R*),7aalpha]]-
U031	n-Butyl alcohol
U392	Butylate
U136	Cacodylic acid
U032	Calcium chromate
U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U271	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol -2-yl]-,methyl ester
U375	Carbamic acid, butyl-, 3-iodo-2-propynyl ester
U280	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester
U238	Carbamic acid, ethyl ester
U178	Carbamic acid, methylnitroso-, ethyl ester
U373	Carbamic acid, phenyl-, 1-methylethyl ester
U409	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester
U097	Carbamic chloride, dimethyl-
U379	Carbamodithioic acid, dibutyl, sodium salt
U277	Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester
U381	Carbamodithioic acid, diethyl-, sodium salt
U383	Carbamodithioic acid, dimethyl, potassium salt
U382	Carbamodithioic acid, dimethyl-, sodium salt
U376	Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothioselenious acid

U378	Carbamodithioic acid, (hydroxymethyl) methyl-, monopotassium salt
U384	Carbamodithioic acid; methyl-, mono sodium salt
U377	Carbamodithioic acid, methyl-, monopotassium salt
U389	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester
U392	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester
U391	Carbamothioic acid, butylethyl-, S-propyl ester
U386	Carbamothioic acid, cyclohexylethyl-, S-ethyl ester
U390	Carbamothioic acid, dipropyl-, S-ethyl ester
U387	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
U385	Carbamothioic acid, dipropyl-, S-propyl ester
U114	Carbamodithioic acid, 1,2-ethanediybis-, salts & esters
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U279	Carbaryl
U372	Carbendazim
U367	Carbofuran phenol
U215	Carbonic acid, dithallium(1+) salt
U033	Carbonic difluoride
U156	Carbonochloridic acid, methyl ester
U033	Carbon oxyfluoride
U211	Carbon tetrachloride
U034	Chloral
U035	Chlorambucil
U036	Chlordane, alpha & gamma isomers
U026	Chlornaphazin
U037	Chlorobenzene
U038	Chlorobenzilate
U039	p-Chloro-m-cresol
U042	2-Chloroethyl vinyl ether
U044	Chloroform
U046	Chloromethyl methyl ether
U047	beta-Chloronaphthalene
U048	o-Chlorophenol
U049	4-Chloro-o-toluidine, hydrochloride
U032	Chromic acid H ₂ CrO ₄ , calcium salt
U050	Chrysene
U393	Copper, bis(dimethylcarbamodithioato-S,S')
U393	Copper dimethyldithiocarbamate
U051	Creosote

U052	Cresol (Cresylic acid)
U053	Crotonaldehyde
U055	Cumene
U246	Cyanogen bromide (CN)Br
U386	Cycloate
U197	2,5-Cyclohexadiene-1,4-dione
U056	Cyclohexane
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-
U057	Cyclohexanone
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U058	Cyclophosphamide
U240	2,4-D, salts & esters
U059	Daunomycin
U366	Dazomet
U060	DDD
U061	DDT
U062	Diallate
U063	Dibenz[a,h]anthracene
U064	Dibenzo[a,i]pyrene
U066	1,2-Dibromo-3-chloropropane
U069	Dibutyl phthalate
U070	o-Dichlorobenzene
U071	m-Dichlorobenzene
U072	p-Dichlorobenzene
U073	3,3'-Dichlorobenzidine
U074	1,4-Dichloro-2-butene
U075	Dichlorodifluoromethane
U078	1,1-Dichloroethylene
U079	1,2-Dichloroethylene
U025	Dichloroethyl ether
U027	Dichloroisopropyl ether
U024	Dichloromethoxy ethane
U081	2,4-Dichlorophenol
U082	2,6-Dichlorophenol
U084	1,3-Dichloropropene
U085	1,2:3,4-Diepoxybutane
U108	1,4-Diethyleneoxide

U028	Diethylhexyl phthalate
U395	Diethylene glycol, dicarbamate
U086	N,N'-Diethylhydrazine
U087	O,O-Diethyl S-methyl dithiophosphate
U088	Diethyl phthalate
U089	Diethylstilbestrol
U090	Dihydrosafrole
U091	3,3'-Dimethoxybenzidine
U092	Dimethylamine
U093	p-Dimethylaminoazobenzene
U094	7,12-Dimethylbenz[a]anthracene
U095	3,3'-Dimethylbenzidine
U096	alpha,alpha-Dimethylbenzylhydroperoxide
U097	Dimethylcarbamoyl chloride
U098	1,1-Dimethylhydrazine
U099	1,2-Dimethylhydrazine
U101	2,4-Dimethylphenol
U102	Dimethyl phthalate
U103	Dimethyl sulfate
U105	2,4-Dinitrotoluene
U106	2,6-Dinitrotoluene
U107	Di-n-octyl phthalate
U108	1,4-Dioxane
U109	1,2-Diphenylhydrazine
U110	Dipropylamine
U111	Di-n-propylnitrosamine
U403	Disulfiram
U390	EPTC
U041	Epichlorohydrin
U001	Ethanal
U404	Ethanamine, N,N-diethyl-
U174	Ethanamine, N-ethyl-N-nitroso-
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U067	Ethane, 1,2-dibromo-
U076	Ethane, 1,1-dichloro-
U077	Ethane, 1,2-dichloro-
U131	Ethane, hexachloro-
U024	Ethane, 1,1'-[methylenebis (oxy)]bis[2-chloro-

U117	Ethane, 1,1'-oxybis-(I)
U025	Ethane, 1,1'-oxybis[2-chloro-
U184	Ethane, pentachloro-
U208	Ethane, 1,1,1,2-tetrachloro-
U209	Ethane, 1,1,2,2-tetrachloro-
U218	Ethanethioamide
U226	Ethane, 1,1,1-trichloro-
U227	Ethane, 1,1,2-trichloro-
U410	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]-bis-, dimethyl ester
U394	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester
U359	Ethanol, 2-ethoxy-
U173	Ethanol, 2,2'-(nitrosoimino)bis-
U395	Ethanol, 2,2'-oxybis-, dicarbamate
U004	Ethanone, 1-phenyl-
U043	Ethene, chloro-
U042	Ethene, (2-chloroethoxy)-
U078	Ethene, 1,1-dichloro-
U079	Ethene, 1,2-dichloro-
U210	Ethene, tetrachloro-
U228	Ethene, trichloro-
U112	Ethyl acetate.
U113	Ethyl acrylate
U238	Ethyl carbamate (urethane)
U117	Ethyl ether
U114	Ethylenebisdithiocarbamic acid, salts & esters
U067	Ethylene dibromide
U077	Ethylene dichloride
U359	Ethylene glycol monoethyl ether
U115	Ethylene oxide
U116	Ethylenethiourea
U076	Ethyldene dichloride
U118	Ethyl methacrylate
U119	Ethyl methanesulfonate
U407	Ethyl Ziram
U396	Ferbam
U126	Fluoranthene
U122	Formaldehyde

U123	Formic acid
U124	Furan
U125	Furancarboxaldehyde
U147	2,5-Furandione
U213	Furan, tetrahydro-
U125	Furfural
U124	Furfuran
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,
U206	D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-4 carbonyl]amino]-
U126	Glycidylaldehyde
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U127	Hexachlorobenzene
U128	Hexachlorobutadiene
U130	Hexachlorocyclopentadiene
U131	Hexachloroethane
U132	Hexachlorophene
U243	Hexachloropropene
U133	Hydrazine
U086	Hydrazine, 1,2-diethyl-
U098	Hydrazine, 1,1-dimethyl-
U099	Hydrazine, 1,2-dimethyl-
U109	Hydrazine, 1,2-diphenyl-
U134	Hydrofluoric acid
U134	Hydrogen fluoride
U135	Hydrogen sulfide
U135	Hydrogen sulfide H ₂ S
U096	Hydroperoxide, 1-methyl-1-phenylethyl-
U116	2-Imidazolidinethione
U137	Indeno[1,2,3-cd]pyrene
U375	3-Iodo-2-propynyl n-butylcarbamate
U396	Iron, tris(dimethylcarbamodithioato-S,S')-,
U190	1,3-Isobenzofurandione
U140	Isobutyl alcohol
U141	Isosafrole
U142	Kepone
U143	Lasiocarpine
U144	Lead acetate
U146	Lead, bis(acetato-O)tetrahydroxytri-

U145	Lead phosphate
U146	Lead subacetate
U129	Lindane
U163	MNNG
U147	Maleic anhydride
U148	Maleic hydrazide
U149	Malononitrile
U150	Melphalan
U151	Mercury
U384	Metam Sodium
U152	Methacrylonitril
U092	Methanamine, N-methyl-
U029	Methane, bromo-
U045	Methane, chloro-
U046	Methane, chloromethoxy-
U068	Methane, dibromo-
U080	Methane, dichloro-
U075	Methane, dichlorodifluoro-
U138	Methane, iodo-
U119	Methanesulfonic acid, ethyl ester
U211	Methane, tetrachloro-
U153	Methanethiol
U225	Methane, tribromo-
U044	Methane, trichloro-
U121	Methane, trichlorofluoro-
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-
U154	Methanol
U155	Methapyrilene
U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a, 5b,6-decachlorooctahydro-
U247	Methoxychlor
U154	Methyl alcohol
U029	Methyl bromide
U186	1-Methylbutadiene
U045	Methyl chloride
U156	Methyl chlorocarbonate
U226	Methyl chloroform
U157	3-Methylcholanthrene

U158	4,4'-Methylenebis(2-chloroaniline)
U068	Methylene bromide
U080	Methylene chloride
U159	Methyl ethyl ketone (MEK)
U160	Methyl ethyl ketone peroxide
U138	Methyl iodide
U161	Methyl isobutyl ketone
U162	Methyl methacrylate
U161	4-Methyl-2-pentanone
U164	Methylthiouracil
U010	Mitomycin C
U365	Molinate
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-3 trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U167	1-Naphthalenamine
U168	2-Naphthalenamine
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-
U165	Naphthalene
U047	Naphthalene, 2-chloro-
U166	1,4-Naphthalenedione
U236	2,7-Naphthalenedisulfonic acid, 3,3'-[{(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis [5-amino-4-hydroxy]-, tetrasodium salt
U279	1-Naphthalenol, methylcarbamate
U166	1,4-Naphthoquinone
U167	alpha-Naphthylamine
U168	beta-Naphthylamine
U217	Nitric acid, thallium(1+) salt
U169	Nitrobenzene
U170	p-Nitrophenol
U171	2-Nitropropane
U172	N-Nitrosodi-n-butylamine
U173	N-Nitrosodiethanolamine
U174	N-Nitrosodiethylamine
U176	N-Nitroso-N-ethylurea
U177	N-Nitroso-N-methylurea
U178	N-Nitroso-N-methylurethane
U179	N-Nitrosopiperidine
U180	N-Nitrosopyrrolidine

U181	Nitro-o-toluidine
U193	1,2-Oxathiolane, 2,2-dioxide
U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide
U115	Oxirane
U126	Oxiranecarboxyaldehyde
U041	Oxirane, (chloromethyl)-
U182	Paraldehyde
U391	Pebulate
U183	Pentachlorobenzene
U184	Pentachloroethane
U185	Pentachloronitrobenzene (PCNB)
See F027	Pentachlorophenol
U161	Pentanol, 4-methyl-
U186	1,3-Pentadiene
U187	Phenacetin
U188	Phenol
U048	Phenol, 2-chloro-
U039	Phenol, 4-chloro-3-methyl-
U081	Phenol, 2,4-dichloro-
U082	Phenol, 2,6-dichloro-
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-
U101	Phenol, 2,4-dimethyl-
U052	Phenol, methyl-
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U411	Phenol, 2-(1-methylethoxy)-, methylcarbamate
U170	Phenol, 4-nitro
See F027	Phenol, pentachloro
See F027	Phenol, 2,3,4,6-tetrachloro
See F027	Phenol, 2,4,5-trichloro
See F027	Phenol, 2,4,6-trichloro
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U145	Phosphoric acid, lead(2+) salt (2:3)
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U189	Phosphorus sulfide
U190	Phthalic anhydride
U191	2-Picoline
U179	Piperidine, 1-nitroso-
U400	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-

U383	Potassium dimethyldithiocarbamate
U378	Potassium n-hydroxymethyl- n-methyldi-thiocarbamate
U377	Potassium n-methyldithiocarbamate
U192	Pronamide
U194	1-Propanamine
U111	1-Propanamine, N-nitroso-N-propyl-
U110	1-Propanamine, N-propyl-
U066	Propane, 1,2-dibromo-3-chloro-
U083	Propane, 1,2-dichloro-
U149	Propanedinitrile
U171	Propane, 2-nitro-
U027	Propane, 2,2'-oxybis[2-chloro-
U193	1,3-Propane sultone
See F027	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U140	1-Propanol, 2-methyl-
U002	2-Propanone
U007	2-Propenamide
U084	1-Propene, 1,3-dichloro-
U243	1-Propene, 1,1,2,3,3,3-hexachloro-
U009	2-Propenenitrile
U152	2-Propenenitrile, 2-methyl-
U008	2-Propenoic acid
U113	2-Propenoic acid, ethyl ester
U118	2-Propenoic acid, 2-methyl-, ethyl ester
U162	2-Propenoic acid, 2-methyl-, methyl ester
U373	Propham
U411	Propoxur
U387	Prosulfocarb
U194	n-Propylamine
U083	Propylene dichloride
U148	3,6-Pyridazinedione, 1,2-dihydro-
U196	Pyridine
U191	Pyridine, 2-methyl-
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U180	Pyrrolidine, 1-nitroso-
U200	Reserpine

U201	Resorcinol
U202	Saccharin, & salts
U203	Safrole
U204	Selenious acid
U204	Selenium dioxide
U205	Selenium sulfide
U205	Selenium sulfide SeS ₂
U376	Selenium, tetrakis(dimethyldithiocarbamate)
U015	L-Serine, diazoacetate (ester)
See F027	Silvex (2,4,5-TP)
U379	Sodium dibutyldithiocarbamate
U381	Sodium diethyldithiocarbamate
U382	Sodium dimethyldithiocarbamate
U206	Streptozotocin
U103	Sulfuric acid, dimethyl ester
U277	Sulfallate
U189	Sulfur phosphide
See F027	2,4,5-T
U402	Tetrabutylthiuram disulfide
U207	1,2,4,5-Tetrachlorobenzene
U208	1,1,1,2-Tetrachloroethane
U209	1,1,2,2-Tetrachloroethane
U210	Tetrachloroethylene
See F027	2,3,4,6-Tetrachlorophenol
U213	Tetrahydrofuran
U401	Tetramethylthiuram monosulfide
U214	Thallium(I) acetate
U215	Thallium(I) carbonate
U216	Thallium(I) chloride
U216	Thallium chloride TlCl
U217	Thallium(I) nitrate
U366	2H-1,3,5-Thiadiazine- 2-thione, tetrahydro-3,5- dimethyl-
U218	Thioacetamide
U410	Thiodicarb
U153	Thiomethanol
U244	Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , tetramethyl-
U402	Thioperoxydicarbonic diamide, tetrabutyl
U403	Thioperoxydicarbonic diamide, tetraethyl

U409	Thiophanate-methyl
U219	Thiourea
U244	Thiram
U220	Toluene
U221	Toluenediamine
U223	Toluene diisocyanate
U328	o-Toluidine
U353	p-Toluidine
U222	o-Toluidine hydrochloride
U389	Triallate
U011	1H-1,2,4-Triazol-3-amine
U227	1,1,2-Trichloroethane
U228	Trichloroethylene
U121	Trichloromonofluoromethane
See F027	2,4,5-Trichlorophenol
See F027	2,4,5-Trichlorophenol
U404	Triethylamine
U234	1,3,5-Trinitrobenzene
U182	1,3,5-Trioxane, 2,4,6-trimethyl-
U235	Tris(2,3-dibromopropyl) phosphate
U236	Trypan blue
U237	Uracil mustard
U176	Urea, N-ethyl-N-nitroso-
U177	Urea, N-methyl-N-nitroso-
U385	Vernolate
U043	Vinyl chloride
U248	Warfarin, & salts, when present at concentrations of 0.3% or less
U239	Xylene
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester,(3beta,16beta,17alpha,18beta,20alpha)-
U407	Zinc, bis(diethylcarbamodithioato-S,S')-
U249	Zinc phosphide Zn ₃ P ₂ , when present at concentrations of 10% or less

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Jan. 10. 2006 5:14PM

CYCLE CHEM 19083550562

No. 4759 P. 1

Cycle Chem

The Environmental Services Source

Date: 1/10/06

Page: 1

DISCREPANCY NOTICE

Customer:	Precision Industrial Schenectady, NY	Work Order :	59406
Generator :	Taconic Petersburgh, New York	Date Received :	12/20/05

Quality Control procedures performed on the above referenced waste shipment have revealed the following discrepancies with either the acceptance criteria or the Material Profile Sheet that require changing the disposal treatment or the cost.

Waste Name:	Pail Liners		Manifest:	NJA5241291		Line Item:	11c
Product Code	Price	New Product Code	Price	Drum Size	Cost Increase	Quantity	Total
VR37-12	\$ 00		\$	5g	\$	3	\$ 100

Discrepancy: The material in these pails is potentially explosive if dry & a condition of acceptance for these pails is that the contents be under water. When the pails were examined the contents were found to minimally wet with only a small amount of liquid in the pails. CCI had to fill these 3 pails with water to completely submerge the contents.

Future shipments of "Luberox Pail Liners" should be completely underwater. (2nd notice)
(1st notice - w/o # 50907)

Total Cost Increase: \$ 100

Cycle Chem will process all referenced waste streams and invoice for the listed charges if no response is received in twenty-four hours.

Please authorize the above changes by signing below and faxing back to 908 355 0965 or 0562

Name

Company

Date

Precision

1/10/06

TAC EPA 01129

001124

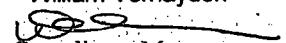
PRECISION
Industrial Maintenance, Inc

Dear Generator,

Since the new EPA ruling, regarding the use of Universal Hazardous Waste Manifests, some States still require mailed copies of Hazardous Waste Manifests from the Generators within 10 days from first transportation. The new rule went into effect September 5, 2006 and requires the use of only approved Universal Hazardous Waste Manifests, no longer permitting State generated Hazardous Waste Manifests. Precision Industrial Maintenance, Inc. is to retain copies 1-5 of the Universal Hazardous Waste Manifest. The Generator retains copy 6, and is required to make two copies of the Manifest and mail one copy to the Generator State and one copy to the Destination State with the envelopes provided. If you have any questions, please feel free to call me at 518-346-5800.

Sincerely,

William Verhayden


Compliance Manager

Providing Quality Industrial and Environmental Services

1710 Erie Blvd, Schenectady, NY 12308 • (518) 346-5800 • (Fax) 346-6077
P.O. Box 674, Barre, VT 05641 • (802) 479-0046 fax (802) 479-0048
Toll Free 888-888-PIMI (7464) • www.precisionindustrial.info

TAC EPA 01130

001125